Wednesday, 1/30/2008 7:56:58 AM Kim Johnston **Process Sheet** : HANDLE **Drawing Name** Customer : CU-DAR001 Dart Helicopters Services : 37080 Job Number : 11208 Estimate Number : D333015 Part Number P.O. Number . D3330 REV D : 1/30/2008 S.O. No. : **Drawing Number** This Issue : N/A : NC Project Number Prsht Rev. : D : 11 : LARGE FAB ASSY Type **Drawing Revision** First Issue : 34198 Material Previous Run Each : 2/11/2008 Due Date Written By Checked & Approved By A 05:01.13 New issue KJ/JLM Comment : Est est B 07.05.14 rev C dwg est C 07.12.12 rev D dwg EC veryfied by:DD Additional Product Job Number: Description: Machine Or Operation: Seq. #: 1010-1025 Steel Bar 1.0 M1018R0375 Total: 13.9986 f(s) Comment: Qty.: 0.6999 f(s)/Unit 1010-1025 Steel Bar 6,9993 Material: AISI 1018-1025 0.375" Round Bar cut 8.00"long. (M1018-R0.375) Identify as D3330-15 2.0 Comment: LARGE FABRICATION RESOURCE 1 Fabricate handle as per Dwg D3330 Deburr 3.0 QC5 INSPECT WORK TO CURRENT STEP Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: WS 21

## **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

NCR:	3708	0-1 W	ORK OR	DER NON-CONFORMANCE	(NCR)			
AV 7757-AV VIEW	STEP	Description of NC Section A	Corrective Action Section B			Verification	Approval	Approval
DATE			Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section e	Chief Eng	QC Inspector
08027		Incorrect Matilused.  Empiones used. 3125 instead of .375 for Qhy 10	Esture.	other D-ponts.  Reich the correct mot 1.	SY 08/02/27	Jour 27	Posius	Kunn
		R.C. Human Erra						

NOTE: Date & initial all entries

Date: • Wed

Wednesday, 1/30/2008 7:56:59 AM Kim Johnston

**Process Sheet** 

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: HANDLE

Job Number: 37080

Part Number: D333015

Job Number:



Seq. #:

Machine Or Operation:

Description:

5.0

QC21

FINAL INSPECTION/W/O RELEASE



(10)

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion

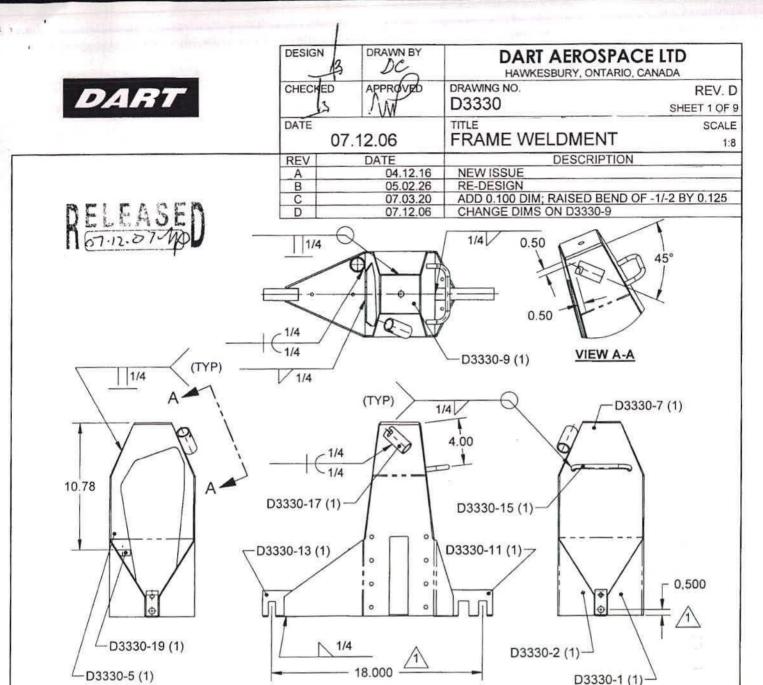


~ 2008/2/27 (10

## **Dart Aerospace Ltd**

Dail Ac	iospace	Ltu							
W/O:			WC	RK ORDER CHANGES	3				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						(447)			
Part No	:	PAR #:	Fault Categ	ory: I	NCR: Yes	No DQ	A:	_ Date: _	
					QA: N	/C Closed	d:	_ Date: _	
NCR:		1	WORK ORDE	R NON-CONFORMAN	CE (NCR	2)			
DATE STED	Description of NC		The state of the s		Verification		Approval Appro	Approval	
DATE	DATE STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section	Section C	Chief Eng	QC Inspector

NOTE: Date & initial all entries



# D3330-041 FRAME WELDMENT

1/4

1/41

HIII

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#### NOTES:

- POSITION PARTS AS PER JIG D3330-041T1
- WELD PER QSI 004
- FINISH: POWDER COAT PAINT FIRE RED (4.3.5.10) PER DART QSI 005 4.3
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5

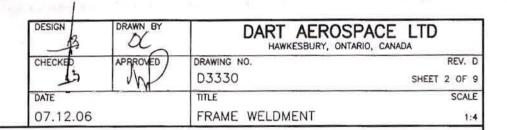
D3330-3 (1)

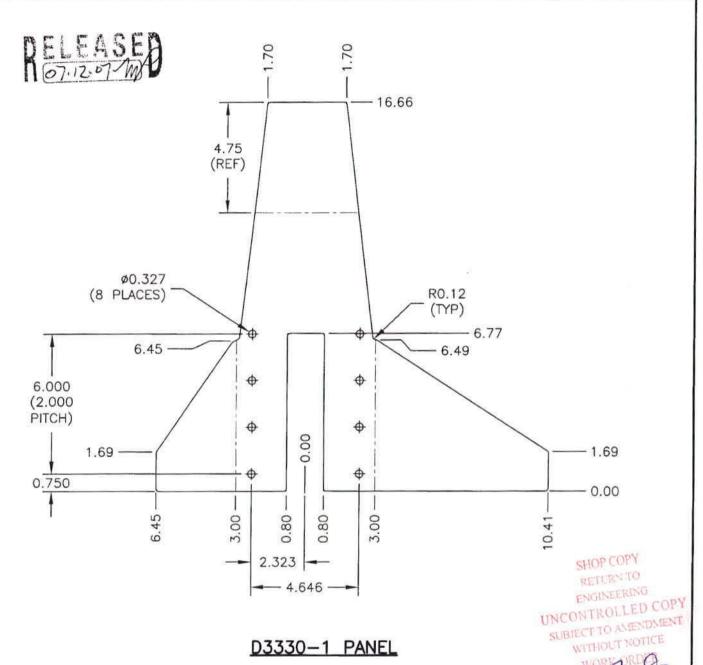
1/4

ALL DIMENSIONS ARE IN INCHES BREAK ALL SHARP EDGES 0.010 TO 0.020 6)

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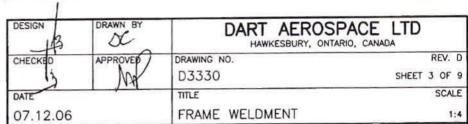


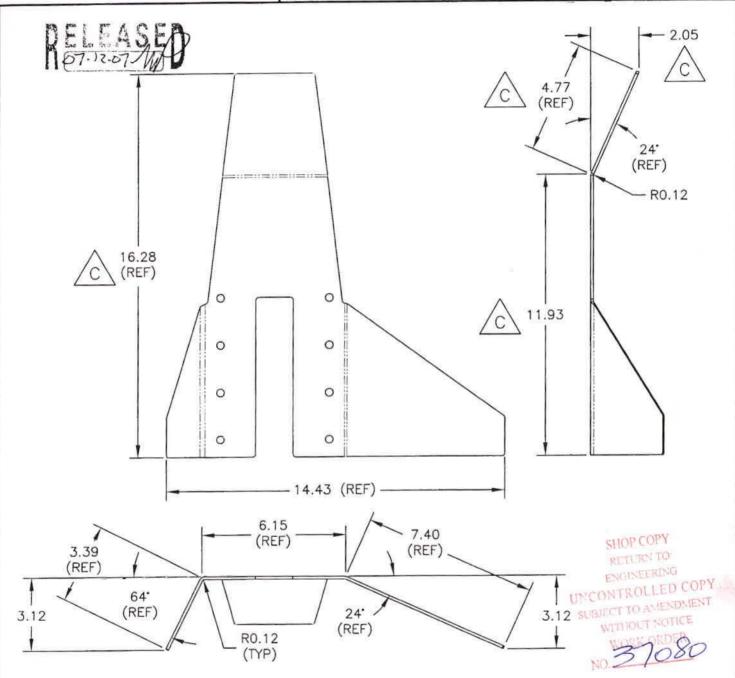
#### NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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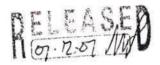


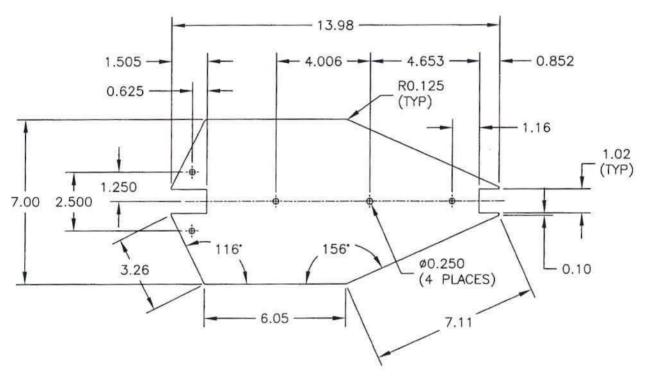
# D3330-1 BEND DETAIL (SHOWN)

BEND D3330-2 (OPPOSITE)



DESIGN 3	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	APPROVED	DRAWING NO.	REV. D SHEET 4 OF 9	
DATE		TITLE	SCALE	
07.12.06		FRAME WELDMENT	1:4	





D3330-3 PLATE

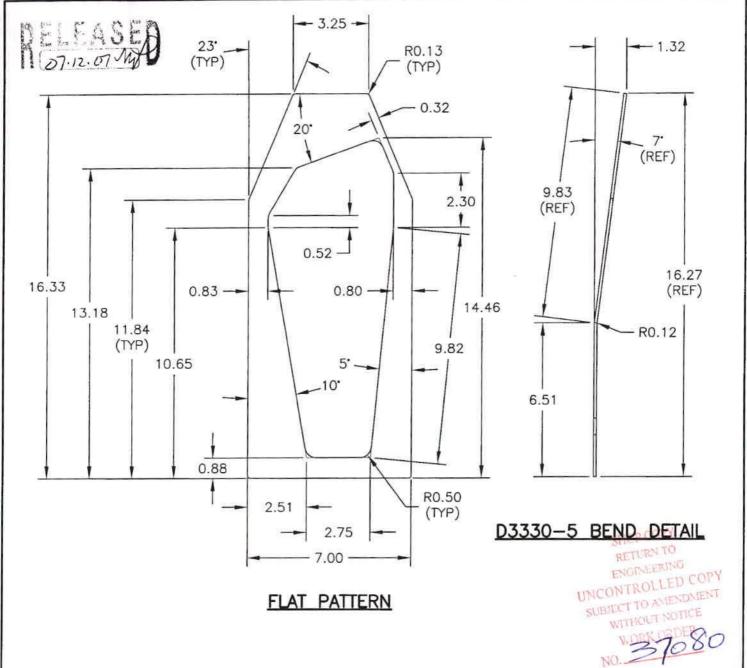
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NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

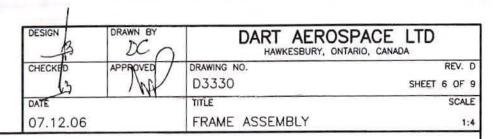


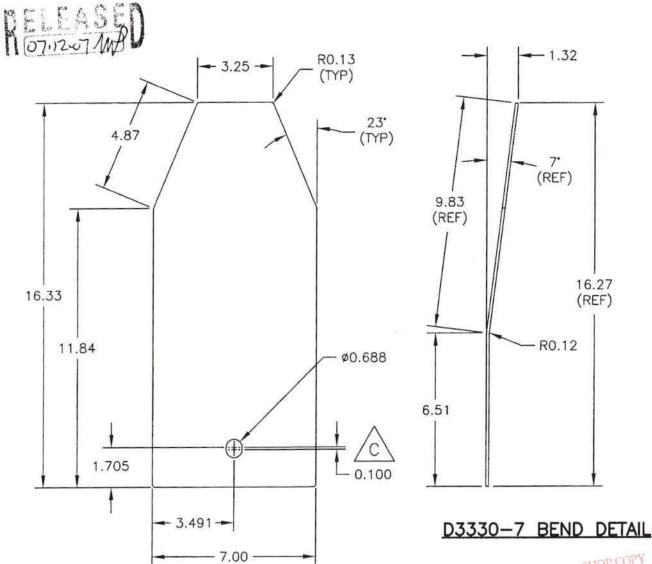
DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	APPROVED	DRAWING NO. D3330	REV. D SHEET 5 OF 9	
DATE	1 /14	TITLE	SCALE	
07.12.06		FRAME WELDMENT	1:4	



- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010







FLAT PATTERN

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1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 37080 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)

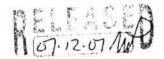
2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

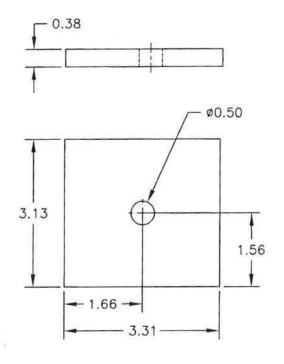
3) ALL DIMENSIONS ARE IN INCHES

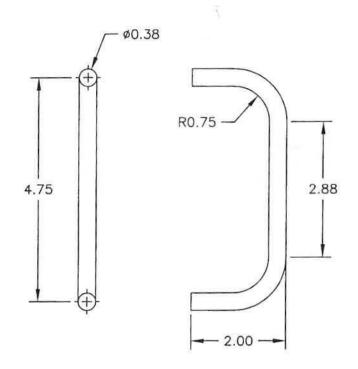
4) BREAK ALL SHARP EDGES 0.005 TO 0.010



DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	APPROVED W	DRAWING NO. D3330	REV. D SHEET 7 OF 9	
DATE		TITLE	SCALE	
07.12.06		FRAME WELDMENT	1:2	







↑ D3330-9 TOP PLATE

1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008, 0.375 STEEL CONTROLLED COPY

(REF. DART SPEC. M1010-R0 375-7 500) SUBJECT TO AMENDMENT (REF. DART SPEC. M1010-B0.375x3.500)

2) MATERIAL: AISI 1018-1025 ROUND BAR PER MIL-S-7097 (REF. DART SPEC. M1018-R0.375)

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

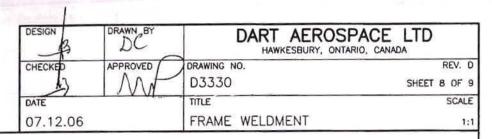
4) ALL DIMENSIONS ARE IN INCHES

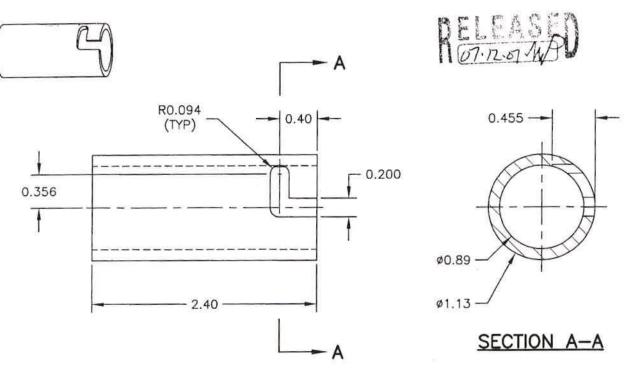
5) BREAK ALL SHARP EDGES 0.005 TO 0.010

WITHOUT NOTICE

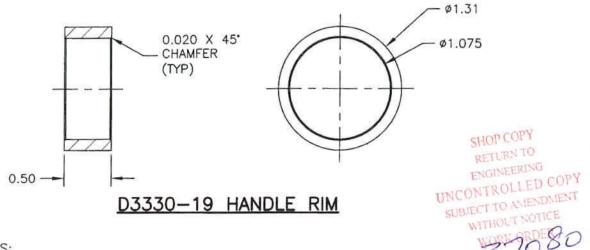
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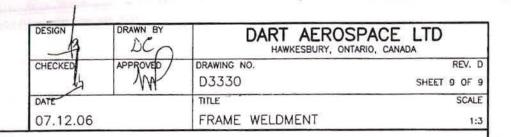


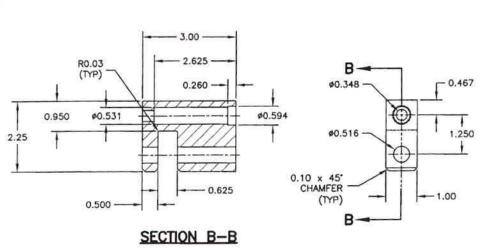
# D3330-17 HANDLE SOCKET

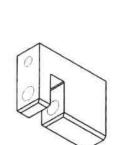


- 1) MATERIAL: 1010-1025 ROUND BAR STEEL PER MILL-S-7097 (REF. DART SPEC. M1025TR)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

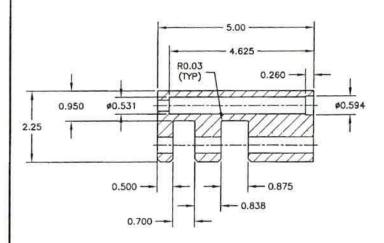


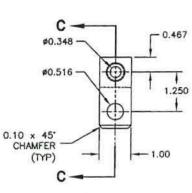


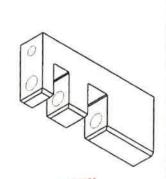




# D3330-13 SHORT PIN BRACKET







## SECTION C-C

## D3330-11 LONG PIN BRACKET

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### NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570, 1.000 THICK STEEL (REF. DART SPEC. M1010-B1.000x02.250)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010